

WEST VIRGINIA DIVISION OF HIGHWAYS
WORKSHEET FOR CALCULATING BULK SPECIFIC
GRAVITY AND ABSORPTION OF FINE AGGREGATE

Source _____
Type _____
Tested by _____
Date _____

FINE AGGREGATE
(RECORD WEIGHTS TO THE NEAREST 0.1 GRAMS)

A = Weight of oven-dry sample in air _____

B = Weight of flask filled to calibration mark with
distilled water _____

C = Weight of flask, sample, and water to
calibration mark _____

D = Weight of saturated-surface-dry sample in air _____

Bulk Specific Gravity (Oven-dry Basis) = $\frac{A}{B + D - C}$ = _____

Apparent Specific Gravity = $\frac{A}{B + A - C}$ = _____

Absorption, percent = $\frac{D - A}{A} \times 100$ = _____

*Note: Report the following values to the nearest thousandth (0.001):
Bulk and Apparent Specific Gravities
Report % Absorption to the nearest hundredth (0.01)*